LED ZOOM WASH MOVING HEAD

ST-3715 37X15W

USER MANUAL

Ver1.0

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1. Preface

1.1 Packing list

Product name	quantity
moving head light	1 pcs
Power -line	1 base
User manual	1 pcs

1.2 Unpacking instructions

On receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are presented, and have been received in a good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows, sign of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture should be returned in original factory box and packing.

1.3 AC Power

To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or referred to the fixtures specification chart. A fixture listed current rating is its average current draw under normal conditions. All fixtures must be directly powered off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer source voltage matches the fixtures requirement. Check the fixture or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.

Warning! Verify that the voltage select switch on your unit matches the line voltage applied. Damage to your fixture may result if the line voltage applied does not match the voltage indicated on the voltage selector switch. All fixtures must be connected to circuits with a suitable Earth ground.

1.4 Safety instructions

Please read these instructions CY, it includes important information about the installation, usage and maintenance of this product.

Please keep this user guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Always make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.

This product is intended for indoor use only!

To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure that there are no flammable materials close to the unit while operating.

The unit must be installed in a location with adequate ventilation, at least 20in (50cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.

Always disconnect from power source before servicing or replacing fuse and be sure to replace with same fuse size and type.

Secure fixture to fastening device using a safety chain. Never carry the fixture solely by its head. Use its carrying handles.

Maximum ambient temperature (Ta) is 104℉(40℃). Do not operate fixture at temperatures higher than this.
In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
Don't connect the device to a dimmer device.
Make sure the power cord never crimped or damaged.
Never disconnect the power cord by pulling or gugging on the cord.
Avoid direct eye ex-positing to the light source while it is on.

2. Introduction

2.1 Features

25 channel DMX-512.
Pan :540° / tilt:270° .
Variable electronic strobe.
Variable electronic dimmer (0-100%).
LCD display
Reset to factory settings option.
Pan/tilt inverts option.
Fan cooled.

2.2 DMX channel

Channel	Function
1	Pan
2	Tilt
3	Pan/Tilt Speed
4	Red(Area A)
5	Green(Area A)
6	Blue(Area A)
7	White(Area A)
8	Amber(Area A)
9	Red(Area B)
10	Green(Area B)
11	Blue(Area B)
12	White(Area B)
13	Amber(Area B)
14	Red(Area C)
15	Green(Area C)
16	Blue(Area C)
17	White(Area C)
18	Amber(Area C)
19	Color Change
20	switching the LEDs/Strobe/Reset
21	Dimmer
22	Pan Fine
23	Tilt Fine
24	Color Macro
25	Zoom

3. Setup

Disconnect the power cord before replacing a fuse and always replace with the same type fuse.

3.1 Fuse replacement

With a flat head screwdriver wedge the fuse hold out of its housing. Remove the damaged fuse from its holder and replace with exact same type fuse. Insert the fuse holder back in its place and reconnect power.

3.2 Fixture linking

You will need a serial data link to run light show of one or more fixtures using a DMX-512 controller or to run synchronized on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Maximum recommended serial data link distance: 500 meters (1640ft).

Maximum recommended number of fixtures on a serial data link: 32 fixtures.

Data cabling

To link fixtures together you must obtain data cables. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DMX data cable

Use a belden 9841 or equivalent cable which meets the specifications for EIA RS-485 applications. Standard microphone cables cannot transmit DMX data reliably over long distances. The cable will have the following characteristics:

2-conductor twisted pair plus a shield.

Maximum capacitance between conductors-30 pF/ft.

Maximum capacitance between conductor and shield -55 pF/ft.

Maximum resistance of 20 ohms/1000ft.

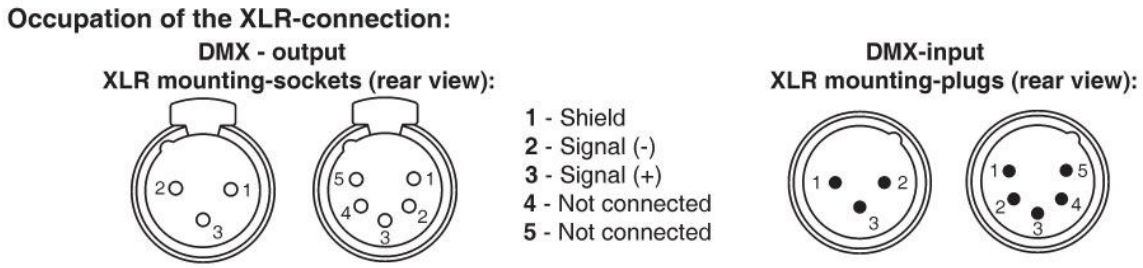
Nominal impedance 100-140 ohms.

3.3 3-Pin to 5-Pin conversion chart

Note! If you use a controller with a 5 pin DMX output connector. You will need to use a 5pin to 3 pin as apter

CHAUVET Model No: DMX5M. Or DMX 5F

The chart below details a proper cable conversion:



3.4 Setting up a DMX serial data link

3.5 Master/Slave fixture linking

1. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3pin connector of the first fixture.

2. Connect the end of the cable coming from the first fixture which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

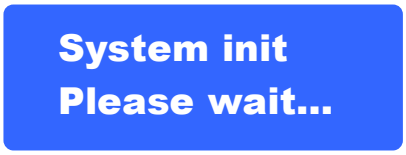
3.6 orientations

This fixture may be mounted in any position provided there is adequate room for ventilation.

4. Operating instructions

4.1 MENU

The fixture will shown below after power on.



After rest, you can choose the mode what you want via wheel

MENU	DETAILS
DMX512 Mode **Address Code: 001**	Setting DMX address Address 001-512
Perform Mode **FAST SLOW**	Auto Mode Fast and slow
Sound Control **EF1 EF2**	Sound control EF1 sound mode 1 ,EF2 sound mode 2
Pan Reverse **YES NO**	Pan reverse YES NO
Tilt Reverse **YES NO**	Tilt Reverse YES NO
Factory Set **YES NO**	Factory Set YES NO
Reset Set **YES NO**	Reset YES NO

Note: Default setting with DMX address 001, For perform mode run inquickmode, Pan reverse YES and Tilt Reverse YES

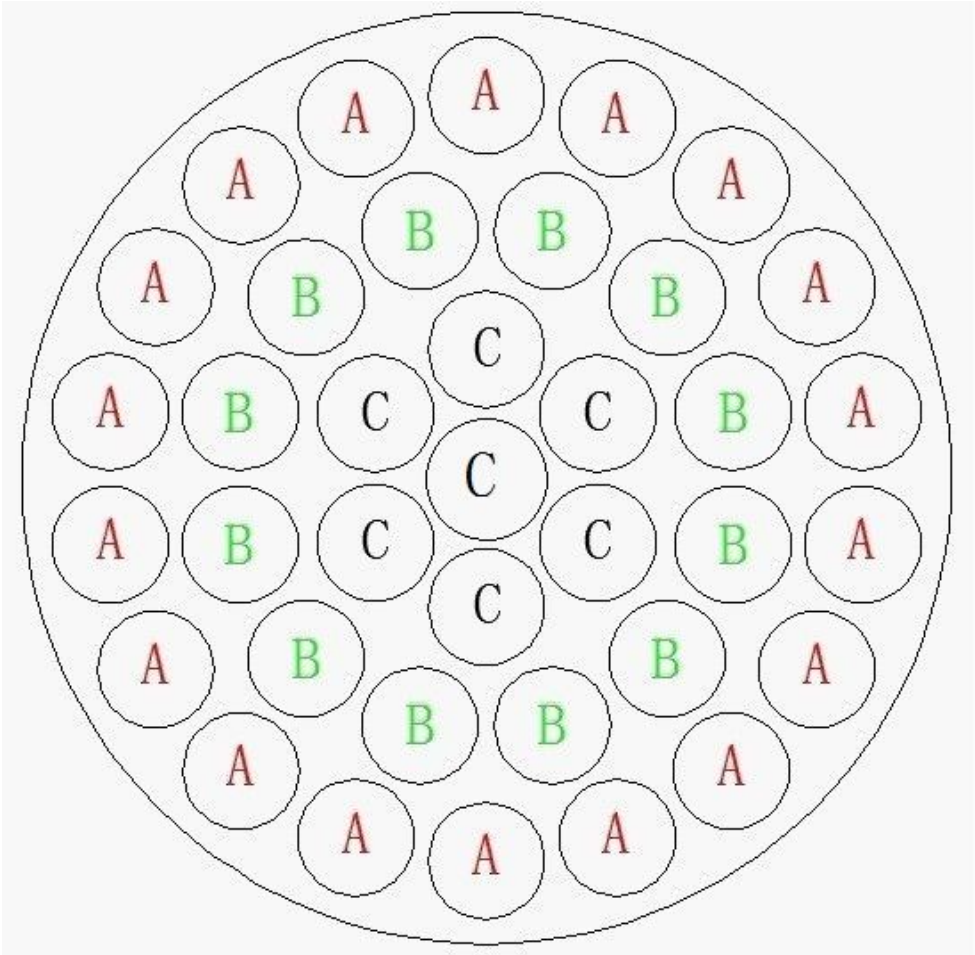
4.2 DMX channel values

Channel	Value	Function
1	0-255	**Pan** Pan movement 0~540
2	0-255	**Tilt** Tilt movement 0~270
3	0-255	**Pan Tilt speed** Pan & Tilt speed adjustment

4	0-255	**Red (Area A)** 0-100%
5	0-255	**Green (Area A)** 0-100%
6	0-255	**Blue (Area A)** 0-100%
7	0-255	**White (Area A)** 0-100%
	0-255	**Amber (Area A)** 0-100%
8	0-255	**Red (Area B)** 0-100%
9	0-255	**Green (Area B)** 0-100%
10	0-255	**Blue (Area B)** 0-100%
11	0-255	**White (Area B)** 0-100%
	0-255	**Amber (Area B)** 0-100%
12	0-255	**Red (Area C)** 0-100%
13	0-255	**Green (Area C)** 0-100%
14	0-255	**Blue (Area C)** 0-100%
15	0-255	**White (Area C)** 0-100%
	0-255	**Amber (Area C)** 0-100%
16		**Color Change**
	0-7	Neutral
	8-15	Amber
	16-23	Red
	24-31	Green
	32-39	Blue
	40-47	White
	48-55	Red/Green
	56-63	Red/Blue
	64-71	Red/White
	72-79	Green/Blue
	80-87	Green/White
	88-95	Blue/White
	96-103	Red/Green/Blue
	104-111	Red/Green/White
	112-119	Green/Blue/White
	120-127	Blue/Red/White
	128-135	Red/Green/Blue/White
	136-143	Red +Amber
	144-151	Blue + Amber
	152-159	Green + Amber
	160-167	White + Amber
	168-175	Red/Green + Amber
	176-183	Red/Blue + Amber
	184-191	Red/White + Amber
	192-199	Green/Blue + Amber
	200-207	Green/White + Amber
	208-215	Blue/White + Amber
	216-223	Red/Green/Blue + Amber

	224-231 232-239 240-247 248-255	Red/Green/White + Amber Green/Blue/White + Amber Blue/Red/White + Amber Red/Green/Blue/White + Amber
17	0-10 11-20 21-30 31-200 201-250 251-255	**Switching the LEDs/Strobe/Reset** LED OFF Neutral Reset Strobe-effect with increasing speed Random strobe-effect with increasing speed Neutral
18	0-255	**Dimmer** 0-100% Dimmer
19	0-255	**Pan Fine** Pan fine
20	0-255	**Tilt Fine** Pan fine
21	0-10 11-127 128-255	Color Macro Neutral Macro1(Slow) Macro2(Fast)
22	0-255	Zoom Small to big

4.4 LED Areas



5. techno-specification illuminates

Voltage	100V-240V 50Hz-60HZ
LEDs	37*15w 5 in 1 LEDs
Pan	540°
Tilt	270°
Tiptop environment temperature	104°F(40°C)
Date input/output	3pin XLR-connection、anode socket
N.W	13.1KG
Size	41x41x41.5cm